0590/1001

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/052,648_

Source: _OIPE_

Date Processed by STIC: _10/1/2002_

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
 PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
 PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
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Revised 01/29/2002

RAW SEQUENCE LISTING   DATE: 10/01/2002
PATENT APPLICATION: US/10/052,648   TIME: 16:42:28

Input Set : **A:\Cura5501.app**
Output Set: **N:\CRF4\10012002\J052648.raw**

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 3 <110> APPLICANT: Anderson, David
 4          Burgess, Catherine
 5          Casman, Stacie
 6          Colman, Steven
 7          Edinger, Shlomit R.
 8          Ellerman, Karen
 9          Gerlach, Valerie
10          Gunther, Erik
11          Kekuda, Ramesh
12          MacDougall, John R.
13          Mehraban, Fuad
14          Patturajan, Meera
15          Rothenberg, Mark
16          Shimkets, Richard
17          Smithson, Glennda
18          Spytek, Kimberly A.
19          Stone, David J.
20          Vernet, Corine A.M.
21          Zerhusen, Bryan D.
23 <120> TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
24          USING THE SAME
26 <130> FILE REFERENCE: 21402-250 (CURA-550)
28 <140> CURRENT APPLICATION NUMBER: 10/052,648
29 <141> CURRENT FILING DATE: 2002-01-18
31 <150> PRIOR APPLICATION NUMBER: 60/262,454
32 <151> PRIOR FILING DATE: 2001-01-18
34 <150> PRIOR APPLICATION NUMBER: 60/272,920
35 <151> PRIOR FILING DATE: 2001-03-02
37 <150> PRIOR APPLICATION NUMBER: 60/284,549
38 <151> PRIOR FILING DATE: 2001-04-18
40 <150> PRIOR APPLICATION NUMBER: 60/303,229
41 <151> PRIOR FILING DATE: 2001-07-05
43 <150> PRIOR APPLICATION NUMBER: 60/262,892
44 <151> PRIOR FILING DATE: 2001-01-19
46 <150> PRIOR APPLICATION NUMBER: 60/263,605
47 <151> PRIOR FILING DATE: 2001-01-23
49 <150> PRIOR APPLICATION NUMBER: 60/269,098
50 <151> PRIOR FILING DATE: 2001-02-15
52 <150> PRIOR APPLICATION NUMBER: 60/264,159
53 <151> PRIOR FILING DATE: 2001-01-25
55 <150> PRIOR APPLICATION NUMBER: 60/265,517
56 <151> PRIOR FILING DATE: 2001-01-31
58 <150> PRIOR APPLICATION NUMBER: 60/271,855
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Does Not Comply
Corrected Diskette Needed
PP. 2-4-5

RAW SEQUENCE LISTING   DATE: 10/01/2002
PATENT APPLICATION: US/10/052,648   TIME: 16:42:28

Input Set : **A:\Cura5501.app**
Output Set: **N:\CRF4\10012002\J052648.raw**

59 <151> PRIOR FILING DATE: 2001-02-27
61 <150> PRIOR APPLICATION NUMBER: 60/267,057
62 <151> PRIOR FILING DATE: 2001-02-07
64 <150> PRIOR APPLICATION NUMBER: 60/286,287
65 <151> PRIOR FILING DATE: 2001-04-25
67 <160> NUMBER OF SEQ ID NOS: 97
69 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

3711 <210> SEQ ID NO: 35
3712 <211> LENGTH: 969
3713 <212> TYPE: PRT
3714 <213> ORGANISM: Homo sapiens
3716 <400> SEQUENCE: 35
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3721   20   25   30
3723 Val His Gly Arg Cys Val Ser Pro Asp Thr Cys His Cys Glu Pro Gly
3724   35   40   45
3726 Trp Gly Gly Pro Asp Cys Ser Ser Gly Cys Asp Ser Asp His Trp Gly
3727   50   55   60
3729 Pro His Cys Ser Asn Arg Cys Gln Cys Gln Asn Gly Ala Leu Cys Asn
3730 65   70   75   80
3732 Pro Ile Thr Gly Ala Cys Val Cys Ala Ala Gly Phe Arg Gly Trp Arg
3733   85   90   95
3735 Cys Glu Glu Leu Cys Ala Pro Gly Thr His Gly Lys Gly Cys Gln Leu
3736   100   105   110
3738 Pro Cys Gln Cys Arg His Gly Ala Ser Cys Asp Pro Arg Ala Gly Glu
3739   115   120   125
3741 Cys Leu Cys Ala Pro Gly Tyr Thr Gly Val Tyr Cys Glu Glu Leu Cys
3742   130   135   140
3744 Pro Pro Gly Ser His Gly Ala His Cys Glu Leu Arg Cys Pro Cys Gln
3745 145   150   155   160
3747 Asn Gly Gly Thr Cys His His Ile Thr Gly Glu Cys Ala Cys Pro Pro
3748   165   170   175
3750 Gly Trp Thr Gly Ala Val Cys Ala Gln Pro Cys Pro Pro Gly Thr Phe
3751   180   185   190
3753 Gly Gln Asn Cys Ser Gln Asp Cys Pro Cys His His Gly Gly Gln Cys
3754   195   200   205
3756 Asp His Val Thr Gly Gln Cys His Cys Thr Ala Gly Tyr Met Gly Asp
3757   210   215   220
3759 Arg Cys Gln Glu Glu Cys Pro Phe Gly Ser Phe Gly Phe Gln Cys Ser
3760 225   230   235   240
3762 Gln His Cys Asp Cys His Asn Gly Gly Gln Cys Ser Pro Thr Thr Gly
3763   245   250   255
3765 Ala Cys Glu Cys Glu Pro Gly Tyr Lys Gly Pro Arg Cys Gln Glu Arg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:29

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

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3766              260                   265                    270
3768 Leu Cys Pro Glu Gly Leu His Gly Pro Gly Cys Thr Leu Pro Cys Pro
3769          275                   280                    285
3771 Cys Asp Ala Asp Asn Thr Ile Ser Cys His Pro Val Thr Gly Ala Cys
3772      290                   295                    300
3774 Thr Cys Gln Pro Gly Trp Ser Gly His His Cys Asn Glu Ser Cys Pro
3775 305                   310                   315                    320
3777 Val Gly Tyr Tyr Gly Asp Gly Cys Gln Leu Pro Cys Thr Cys Gln Asn
3778              325                   330                    335
3780 Gly Ala Asp Cys His Ser Ile Thr Gly Gly Cys Thr Cys Ala Pro Gly
3781          340                   345                    350
3783 Phe Met Gly Glu Val Cys Ala Val Ser Cys Ala Ala Gly Thr Tyr Gly
3784          355                   360                    365
3786 Pro Asn Cys Ser Ser Ile Cys Ser Cys Asn Asn Gly Gly Thr Cys Ser
3787      370                   375                    380
3789 Pro Val Asp Gly Ser Cys Thr Cys Lys Glu Gly Trp Gln Gly Leu Asp
3790 385                   390                   395                    400
3792 Cys Thr Leu Pro Cys Pro Ser Gly Thr Trp Gly Leu Asn Cys Asn Glu
3793              405                   410                    415
3795 Ser Cys Thr Cys Ala Asn Gly Ala Ala Cys Ser Pro Ile Asp Gly Ser
3796          420                   425                    430
3798 Cys Ser Cys Thr Pro Gly Trp Leu Gly Asp Thr Cys Glu Leu Pro Cys
3799          435                   440                    445
3801 Pro Asp Gly Thr Phe Gly Leu Asn Cys Ser Glu His Cys Asp Cys Ser
3802      450                   455                    460
3804 His Ala Asp Gly Cys Asp Pro Val Thr Gly His Cys Cys Cys Leu Ala
3805 465                   470                   475                    480
3807 Gly Trp Thr Gly Ile Arg Cys Asp Ser Thr Cys Pro Pro Gly Arg Trp
3808              485                   490                    495
3810 Gly Pro Asn Cys Ser Val Ser Cys Ser Cys Glu Asn Gly Gly Ser Cys
3811          500                   505                    510
3813 Ser Pro Glu Asp Gly Ser Cys Glu Cys Ala Pro Gly Phe Arg Gly Pro
3814          515                   520                    525
3816 Leu Cys Gln Arg Ile Cys Pro Pro Gly Phe Tyr Gly His Gly Cys Ala
3817      530                   535                    540
3819 Gln Pro Cys Pro Leu Cys Val His Ser Ser Arg Pro Cys His His Ile
3820 545                   550                   555                    560
3822 Ser Gly Ile Cys Glu Cys Leu Pro Gly Phe Ser Gly Ala Leu Cys Asn
3823              565                   570                    575
3825 Gln Val Cys Ala Gly Gly Tyr Phe Gly Gln Asp Cys Ala Gln Leu Cys
3826          580                   585                    590
3828 Ser Cys Ala Asn Asn Gly Thr Cys Ser Pro Ile Asp Gly Ser Cys Gln
3829          595                   600                    605
3831 Cys Phe Pro Gly Trp Ile Gly Lys Asp Cys Ser Gln Ala Cys Pro Pro
3832      610                   615                    620
3834 Gly Phe Trp Gly Pro Ala Cys Phe His Ala Cys Ser Cys His Asn Gly
3835 625                   630                   635                    640
3837 Ala Ser Cys Ser Ala Glu Asp Gly Ala Cys His Cys Thr Pro Gly Trp
3838              645                   650                    655
```

```
3840 Thr Gly Leu Phe Cys Thr Gln Arg Cys Pro Ala Ala Phe Phe Gly Lys
3841             660             .       665             670
3843 Asp Cys Gly Arg Val Cys Gln Cys Gln Asn Gly Ala Ser Cys Asp His
3844         675             680             685
3846 Ile Ser Gly Lys Cys Thr Cys Arg Thr Gly Phe Thr Gly Gln His Cys
3847     690             695             700
3849 Glu Gln Arg Cys Ala Pro Gly Thr Phe Gly Tyr Gly Cys Gln Gln Leu
3850 705             710             715             720
3852 Cys Glu Cys Met Asn Asn Ser Thr Cys Asp His Val Thr Gly Thr Cys
3853         .       725             730             735
3855 Tyr Cys Ser Pro Gly Phe Lys Gly Ile Arg Cys Asp Gln Ala Ala Leu
3856         740             745             750
3858 Met Met Glu Glu Leu Asn Pro Tyr Thr Lys Ile Ser Pro Ala Leu Gly
3859         755             760             765
3861 Ala Glu Arg His Ser Val Gly Ala Val Thr Gly Ile Met Leu Leu Leu
3862     770             775             780
3864 Phe Leu Ile Val Val Leu Leu Gly Leu Phe Ala Trp His Arg Arg Arg
3865 785             790             795             800
3867 Gln Lys Glu Lys Gly Arg Asp Leu Ala Pro Arg Val Ser Tyr Thr Pro
3868             805             810             815
3870 Ala Met Arg Met Thr Ser Thr Asp Tyr Ser Leu Ser Gly Ala Cys Gly
3871         820             825             830
```
E--> 3873 Met Asp Arg Arg Gln Asn Thr Tyr Ile Met Asp Lys Gly Phe Lys (Xaa)
```
3874         835             840             845
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E--> 3876 (Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa)
```
3877     850             855             860
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E--> 3879 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa)
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3880 865             870             875             880
```
E--> 3882 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa) Met Lys Ser Pro Val His Met
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3883             885             890             895
3885 Gly Ser Pro Tyr Thr Asp Val Pro Ser Leu Ser Thr Ser Asn Lys Asn
3886             900             905             910
3888 Ile Tyr Glu Val Glu Pro Thr Val Ser Val Val Gln Glu Gly Cys Gly
3889         915             920             925
3891 His Asn Ser Ser Tyr Ile Gln Asn Ala Tyr Asp Leu Pro Arg Asn Ser
3892         930             935             940
3894 His Ile Pro Gly His Tyr Asp Leu Leu Pro Val Arg Gln Ser Pro Ala
3895 945             950             955             960
3897 Asn Gly Pro Ser Gln Asp Lys Gln Ser
3898             965
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VARIABLE LOCATION SUMMARY   DATE: 10/01/2002
PATENT APPLICATION: **US/10/052,648**   TIME: 16:42:30

Input Set : **A:\Cura5501.app**
Output Set: **N:\CRF4\10012002\J052648.raw**

<u>Use of n's or Xaa's(NEW RULES):</u>
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:13; N Pos. 1408
Seq#:14; Xaa Pos. 203
Seq#:15; N Pos. 2004
Seq#:35; Xaa Pos. 848,849,850,851,852,853,854,855,856,857,858,859,860,861
Seq#:35; Xaa Pos. 862,863,864,865,866,867,868,869,870,871,872,873,874,875
Seq#:35; Xaa Pos. 876,877,878,879,880,881,882,883,884,885,886,887,888,889

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/052,648**

DATE: 10/01/2002
TIME: 16:42:30

Input Set : **A:\Cura5501.app**
Output Set: **N:\CRF4\10012002\J052648.raw**

L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1380
L:1624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:192
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1980
L:3873 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
M:340 Repeated in SeqNo=35